

# Test Report: Random Date Generator

## Goal:

To spend an hour exploring the Random Date Generator (RDG) app at <https://codebeautify.org/generate-random-date>.

10-02-2091  
08-05-2024  
02-14-2027  
08-26-2030  
12-24-2078  
08-02-2049  
07-15-2062  
07-03-2054  
11-16-2046  
05-08-2088

Generate Random Date

### Calendar Date Options

How many dates to generate?

10

Date Output Format

MM-DD-YYYY

Custom date format Use: YYYY YY  
MM month mon DD d hh h mm m ss s

YY-MM-DD

Start date

2020-01-01 00:00:00

End date

2099-12-31 23:59:59

## Methodology

Due to the limited time available, the testing focused on simple smoke tests for most of the functionality, with more in-depth testing when issues were discovered.

## Environments

The RDG app claims it “works well on Windows, MAC, Linux, Chrome, Firefox, Edge, and Safari”. Due to time limits, only Windows11 with Chrome was used for this testing session.

# Testing

1. All results when generating a date:
  - a. Correctly formatted
  - b. Correct data
    - i. Within Start/End dates
2. Formats
  - a. Each of the supported preset formats.
3. Inputs
  - a. Default options
  - b. Number of Dates (Count)
    - i. Boundary -1, 0, 1, max-1, max, max+1
    - ii. Non-integer (string, decimal/float)
  - c. Start/End Dates
    - i. Default
    - ii. Start & End on same day w/ different times (0000-2359, 0000-0001), same day w/ same time (1345-1345)
    - iii. End before Start (day, time)
    - iv. Valid date/time, but not datetime format yyyy-mm-dd hh:mm:ss
    - v. Non-valid entries
  - d. Custom date format
    - i. Custom (From RDG: YYYY YY MM month mon DD d hh h mm m ss s)
4. Download file
  - a. 0 dates, 10 dates, many dates
  - b. File downloaded with displayed results
5. Copy Results button
  - a. 0 dates, 10 dates, many dates
  - b. Copy includes match displayed results
6. Usability
  - a. Spelling/Grammar
  - b. Helpful & Complete Help/Instructions
7. Appearance
8. Controls
  - a. Buttons - Generate Random Date, Copy, Download
  - b. Fields - Integer picker, dropdown, text
  - c. Results expander

*Unable to perform due to limited time*

9. Different Browser Locales, Browser Languages, Time Zones
10. Accessibility
  - a. Tab order, keyboard only, audio reader, resolution
11. Environments (OS & Browsers)
  - a. Windows, MacOS, Linux, Android, iOS
  - b. Chrome, Firefox, Safari, Edge, etc.

# Results

Due to the issues discovered, this is not currently not ready for release. Additional testing should be performed, especially with different browsers and operating systems.

## Issues Discovered:

1. Results can be outside of start/end date range when using ISO 8601 format (Bug #1)
2. Year Date Month format outputs incorrect format (year month date) (Bug #2)
3. Custom Date Format's 'month' results display values instead of the letters for h,y,m (Bug #3)
4. Custom Date Format's lowercase 'm' is incorrectly displaying in results (Bug #4)
5. Count field is not restrained to acceptable values (Bug #5)
6. Start date can be before End Date; results will not include either the start or end datetimes. (Bug #x)
7. Standardize app name to a single string (currently 'Random Date Generator', 'Date Generator' and 'Random Date Generator Online'). (Bug #x)
8. Strings should be edited to improve clarity and fix grammatical errors. (Bug #x)